Lighting the Easter Way

WESTERN ADDRESS:

R. A. LISTER & CO. (CANADA) LIMITED

WALL STREET, WINNIPEG

EASTERN ADDRESS:

R. A. LISTER & CO. (CANADA) LIMITED

58-60 STEWART STREET, TORONTO

"LISTER-BRUSTON"

AUTOMATIC ELECTRIC

LIGHTING AND PUMPING PLANTS

FOUR HIGHEST AWARDS

ROYAL
FIRST PRIZE

NORWICH
JUNE, 1911

CHIEF CANADIAN OFFICE:

TORONTO

BRANCHES:

WINNIPEG
Wall St.

ST. JOHN, N.B.

EDMONTON

TELEPHONE:

WINNIPEG,
Sherbrooke 4920

CABLES:

MACHINERY,
DURSLEY

LISTACHE,
TORONTO
WINNIPEG

CODES:

A1, ABC 5th
BENTLEY'S &
PRIVATE

Stafford, July, 1911
Coventry, August, 1911
Royal Cornwall Show, Penzance, June, 1912
Diplomas: Ottawa, Winnipeg, Canada, 1912, 1913, 1914

Sole Makers:

R. A. LISTER & CO. Limited

DURSLEY, ENGLAND

LONDON OFFICE: 47 VICTORIA STREET, WESTMINSTER, S.W.

A Few Canadian Users:—

NAME	ADDRESS
Sir William McKenzie	Kirkfield, Ont.
Mrs. John Massey Treble	Muskoka, Ont.
Mr. E. R. Wood	Muskoka, Ont.
Cleveland House Hotel	Muskoka, Ont.
Thorel House Hotel	Muskoka, Ont.
Township of Shawville (2 plants)	Shawville, Que.
R. Campbell Reeves	Toronto, Ont.
A. J. Hardy	Muskoka, Ont.
H. Bower Henry	Ottawa, Ont.
Rev. J. Sheridan, P.P.	Uptergrove, Ont.
Rev. L. N. Preville, P.P.	St. Chrysostome, Que.
R. Gordon Stewart	Portland, Ont.
J. A. Stewart	Perth, Ont.
Cold Creek Trout Club	Bolton, Ont.
Wm. Mousley	Weston, Ont.
Monteith Bros.	Rosseau, Ont.
Sir John Eaton	Muskoka, Ont.
Mrs. Timothy Eaton	Muskoka, Ont.
Kirkhill Presbyterian Church	Kirkhill, Ont.
Mr. E. L. Pease	St. Bruno, Que.
Manager, Royal Bank of Canada	Montreal, Que.
University of Toronto	Department of Hygiene
Department of Public Works	Chicoutimi Wharf
B. Conboy	Asquith, Sask.
T. H. West	Assiniboia, Sask.
Jno. Gillespie	Carmangay, Alta.
J. F. Orr	Grandview, Man.
W. T. Allen	Grand Coulee, Sask.
Geo. F. Sharp	Gull Lake, Sask.
A. Forsythe	High Bluff, Man.
Chas. Isman	Kamsack, Sask.
J. H. Penfold	Lang, Sask.
W. H. McIntyre	McGrath, Alta.
J. F. Rea	Minnedosa, Man.
A. E. White	Nanton, Alta.
A. Hockstein	Pincher Creek, Alta.
Father E. B. Rocan	Ste. Agathe, Man.
N. C. Bayne	Tuxford, Sask.
D. Richmond	Vulcan, Alta.
Bank of Commerce	Six plants in Western Branches.
Virden Post Office	Virden, Man.
Municipal Buildings	Emerson, Man.
D. W. Warner	Edmonton, Alta.
Jas. Cormack	Grandview, Man.
Jas. Bowie	Macdonald, Man.

THE "LISTER-BRUSTON" AUTOMATIC ELECTRIC LIGHTING AND POWER SYSTEM

FOR many years past farm homes have been lighted electrically by dynamos driven by internal combustion engines working in conjunction with a large battery of storage cells. This within certain limits has been satisfactory; the chief drawback, however, is the amount of attention required, especially in the winter, to keep the battery in good condition, and the expense of renewing these large batteries when necessary.

The "Lister-Bruston" Automatic System combines the advantages of the large storage battery system with the advantages of a direct lighting installation. When the whole of the lighting is done through storage batteries there must be a big loss, as it is not possible to get the amount of current out of storage batteries that you put in. When one form of energy is being changed to another there must be a loss. The average storage batteries lighting country houses do not give an efficiency of more than 60%. The "Lister-Bruston" System was invented, amongst other things, to overcome this defect, and only employs a small set of storage batteries. These storage batteries are sufficient to supply three or four lights without running the plant. When, however, more lights are switched on, the extra current demanded by the lamps causes the relay or automatic switch to make contact, and the current from the battery then passes through a controller and is delivered to the dynamo, which rotates for a few seconds as an electric motor; this causes the engine to run in the same direction as when running. To reduce the current taken from the battery during this period the exhaust valve in the engine is raised until full speed is attained, full compression is then restored and automatically the engine takes over the load and the dynamo supplies current direct to the lamps without passing through the battery, and at the same time putting current into the battery to replace what was taken out when the plant was started.

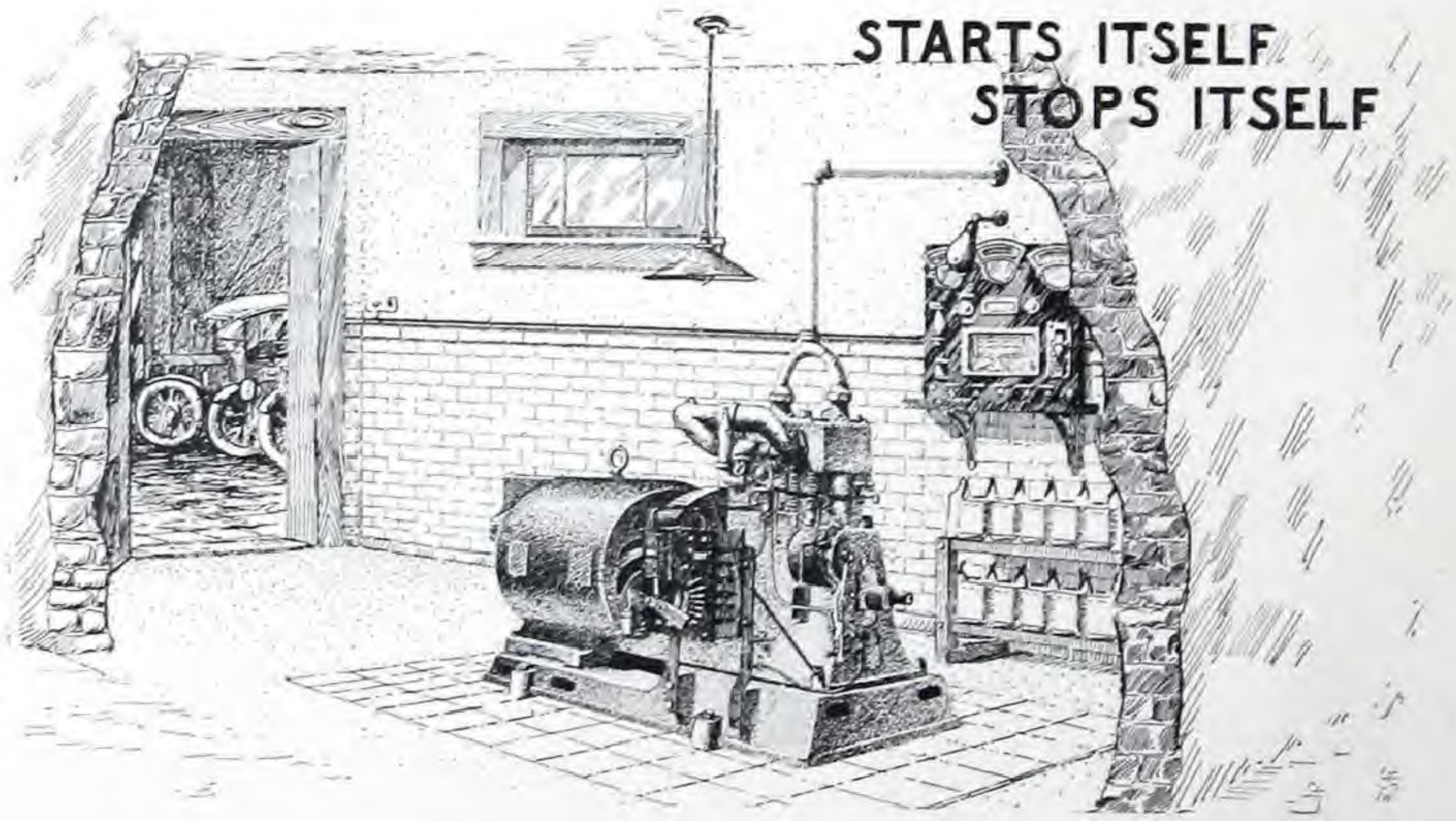
Assuming the number of lamps in use to be less than is required to start the plant, and that such lamps are used for a long period, the voltage of the battery will drop and it can be arranged that this drop in voltage shall start up the plant and the engine continue running until the battery is brought up to a pre-determined point.

We have explained how the plant starts automatically—the automatic stopping is just the reverse. When the lights are sufficiently reduced the relay will break, cutting off current from the controller, and the engine will stop.

In the case of a large installation we recommend the plant to be divided into two small units, the units being connected up in such a manner that a light load would start up one plant, and when the load becomes too great for this the second plant would automatically start up and both would run. On the load being again reduced to within the capacity of the one plant, the second plant would stop.

The "Lister-Bruston" System can be used for either lighting or power, and although only a set of small storage batteries are used a larger set can be installed to work in conjunction with the plant, if required.

If you will mail the coupon on page 24 of this Catalogue our engineers will go into your proposition thoroughly and will advise you as to the specifications of the plant you require; or, if necessary, we will send at our expense a fully qualified engineer to consult with you personally.



Summary of Advantages

1. The **"LISTER-BRUSTON"** Automatic Generating System is the simplest, most economical and efficient means of providing electric light.

2. Light and power are always available night and day by simply turning the switches.

3. No attendant is required for starting, stopping or running the Plant; the simple switching on or off of the lights by anyone in the house immediately starts or stops the engine, however far it may be from the house.

4. The cost of erection is very small, the Plant being self-contained and sent out complete, ready for work. No special foundations are required.

5. Practically the whole of current generated is employed for lighting. In other systems employing large and expensive storage batteries it is necessary to charge them three or four times per week, and then discharge them for lighting purposes, **the loss in this process being from 40 to 50 per cent.**

6. The **"LISTER-BRUSTON"** Plant being self-contained, and not fixed to the floor, can be easily moved from place to place, consequently it becomes a tenant's fixture, and may be moved from one house to another at the end of the tenancy.

7. Compactness. The **"LISTER-BRUSTON"** Plant occupies less floor space.

8. Natural or Town Gas may be used instead of Gasoline to drive the engine.

9. The lubrication is automatic: there are no oil cups to turn on and off.

10. Owing to the efficient and automatic arrangement for oiling, the cost of lubrication with the **"LISTER-BRUSTON"** is far less than with other systems.

11. Electric light from the **"LISTER-BRUSTON"** Automatic Plant requires less attention than Acetylene or Gasoline Light. It does not vitiate the air or give off poisonous fumes, consequently it is much healthier. There is no smoke, and it does not, therefore, spoil decorations.

Attention Required

Of course the engine requires a certain amount of attention, but this can be done by any inexperienced person, and simply consists of filling a gasoline tank, filling a lubricating oil reservoir from which the engine oils itself by means of a pump, and just wiping dust and oil from the plant to keep it in a reasonably clean condition.

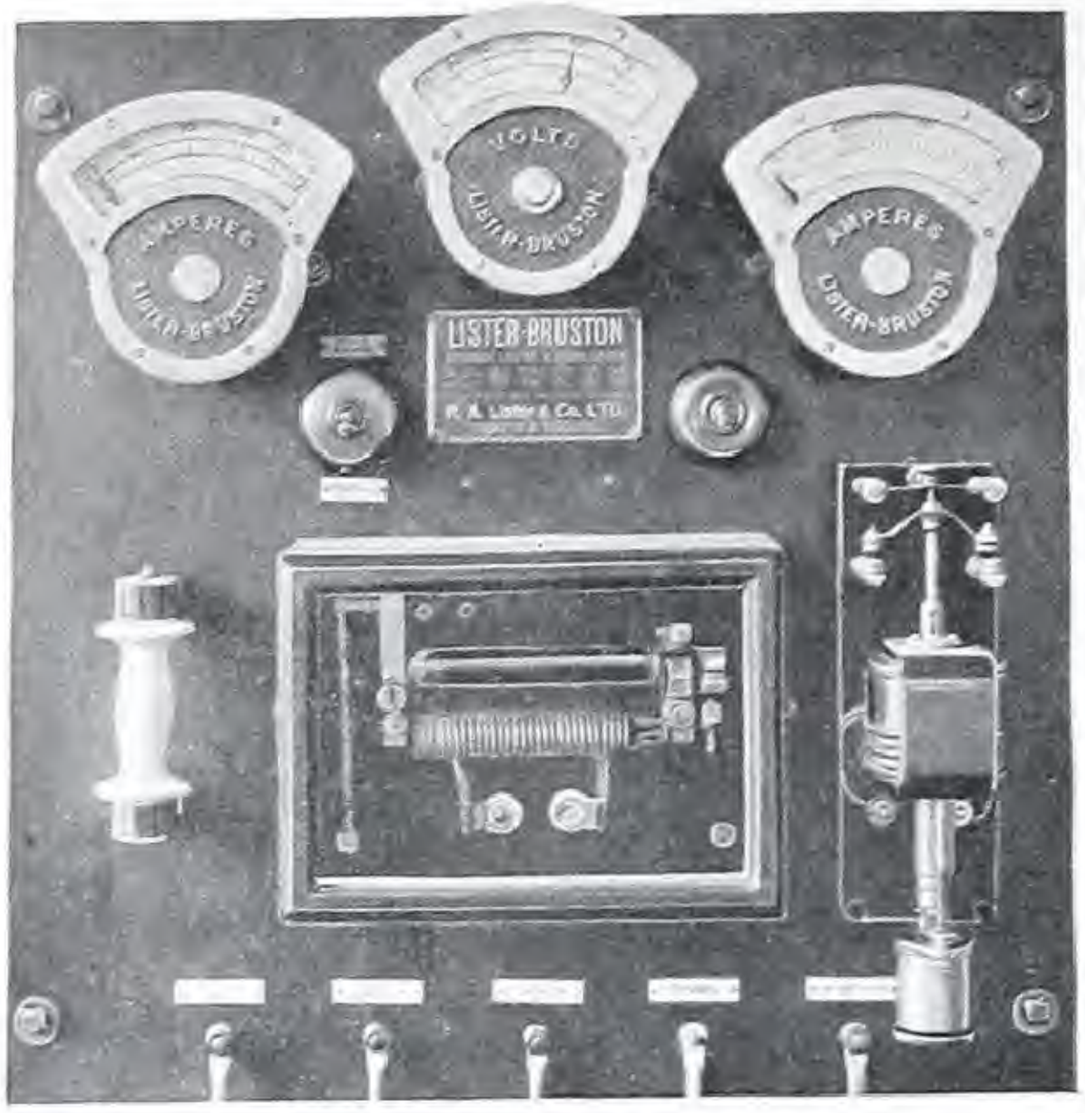
Service

In installing electric light in country houses it is wise to have the advice of a firm which has made a specialty of that branch of electrical engineering. There are a number of firms selling agricultural engines with which they drive some one else's make of generator and make some sort of make-shift of an electric lighting plant. It stands to reason that this cannot give the satisfaction and economy of a plant specially built for the work after careful study of the requirements, and which is thoroughly tested in the works before it is sent out.

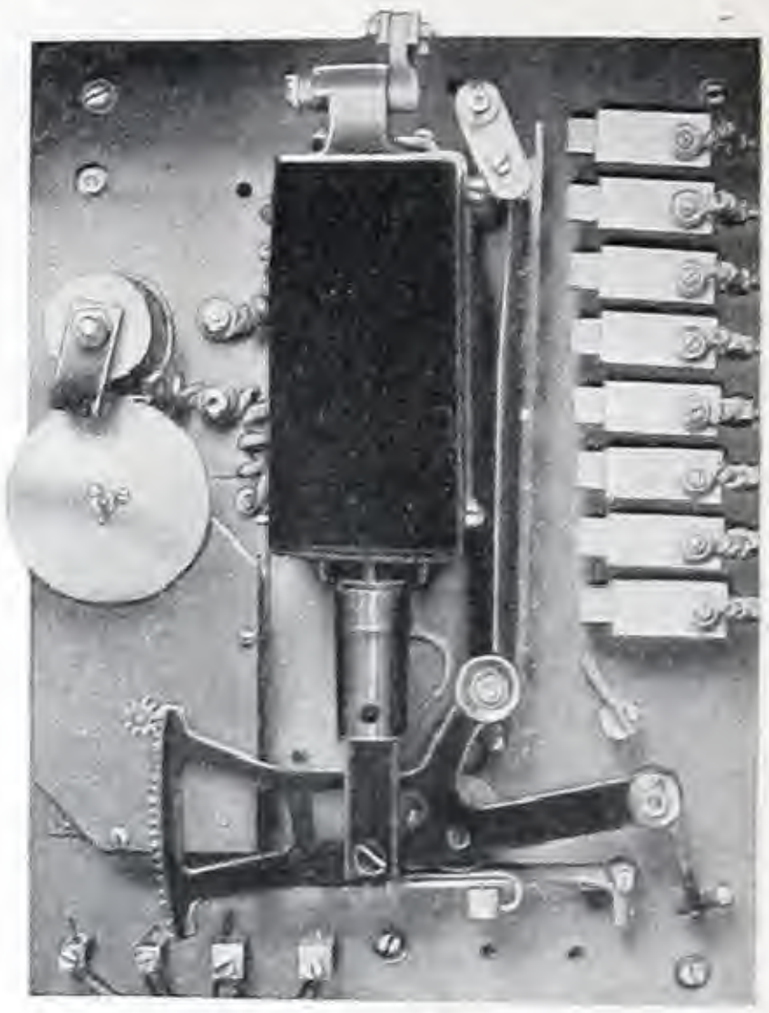
If you will mail the coupon on page 24 of this Catalogue, we will go into your proposition thoroughly and if necessary will send, at our expense, a qualified engineer to take particulars of your requirements and give you any information you may require.

SPECIFICATION

Of the "Lister-Bruston" Automatic Electric Lighting and Power Plants



SWITCHBOARD



CONTROLLER

The Belt Driven Type Plant comprises:

ENGINE — "Lister" Vertical Water-Cooled enclosed type of substantial construction, especially designed for running long periods without attention, fitted with Automatic Lubrication, High Tension Magneto Ignition, special Pump-fed Carburettor, thereby obviating the danger of flooding which often occurs if an ordinary Float-feed Carburettor, supplied by gravity from a tank, is used.

REGULATION—In addition to the Centrifugal mechanical governor, a patent Magnetic governor is fitted to the Engine, which regulates the speed according to the load, thereby giving a practically constant voltage at all loads.

DYNAMO—Patent Shunt Wound, fitted with automatic Ring Lubrication, sliding bed plate for tightening belt, and coupled to Engine by means of a patent laminated leather belt.

CONTROLLER—An automatic Rheostat or Controller is fitted to enable Engine to start up easily and smoothly, the compression of the Engine being released until sufficient speed has been attained to ensure easy starting.

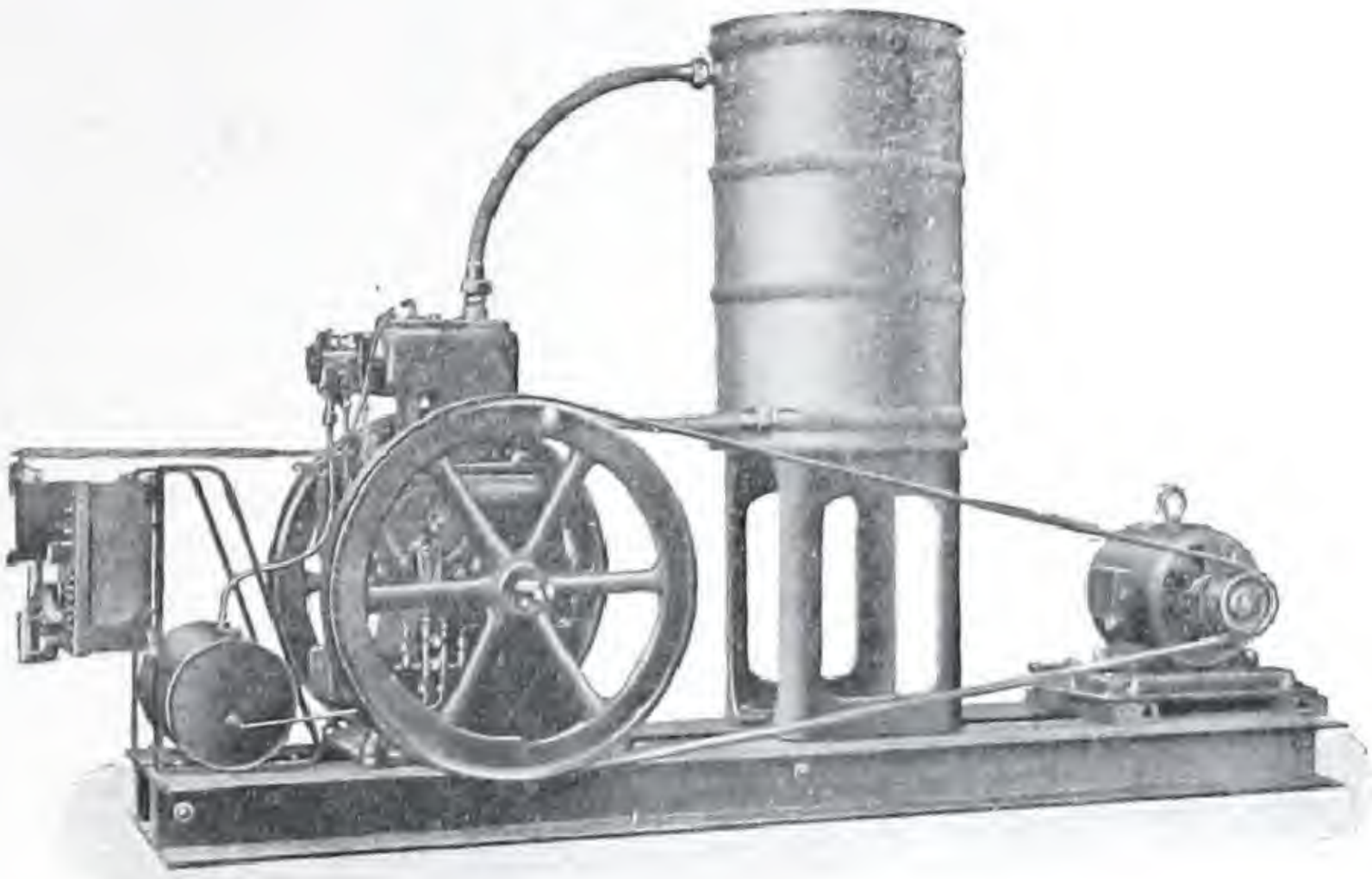
ARRANGEMENT—The whole of the above, together with Fuel Tank and Water Tank for cooling Engine is mounted on a substantial girder frame, suitable for standing on floor and running without special foundation or bolting down.

SWITCHBOARD—Enamelled Slate Switchboard, containing Voltmeter, 2 Ammeters, patent Bruston Relay, Safety Circuit Breaker, Fuse, and the necessary terminals, plainly labelled for connecting to plant.

BATTERY—Suitable Battery of Accumulators for working plant automatically and lighting a few lamps without the Engine running. The plant is complete with Standard Water and Exhaust Connections, Silencers, Set of Spanners, and a few spare parts.

OPERATION OF PLANT—Lights can be switched on at any part of the installation. The first few lights are supplied from the Battery. When a certain number has been exceeded the plant starts up and generates current, the lamps being supplied direct from the Dynamo, which at the same time supplies current to the Battery. When the number of lights in use is sufficiently reduced the plant stops, the remaining lights being supplied by the Battery.

For Country Homes, Bungalows, Churches, etc., etc.

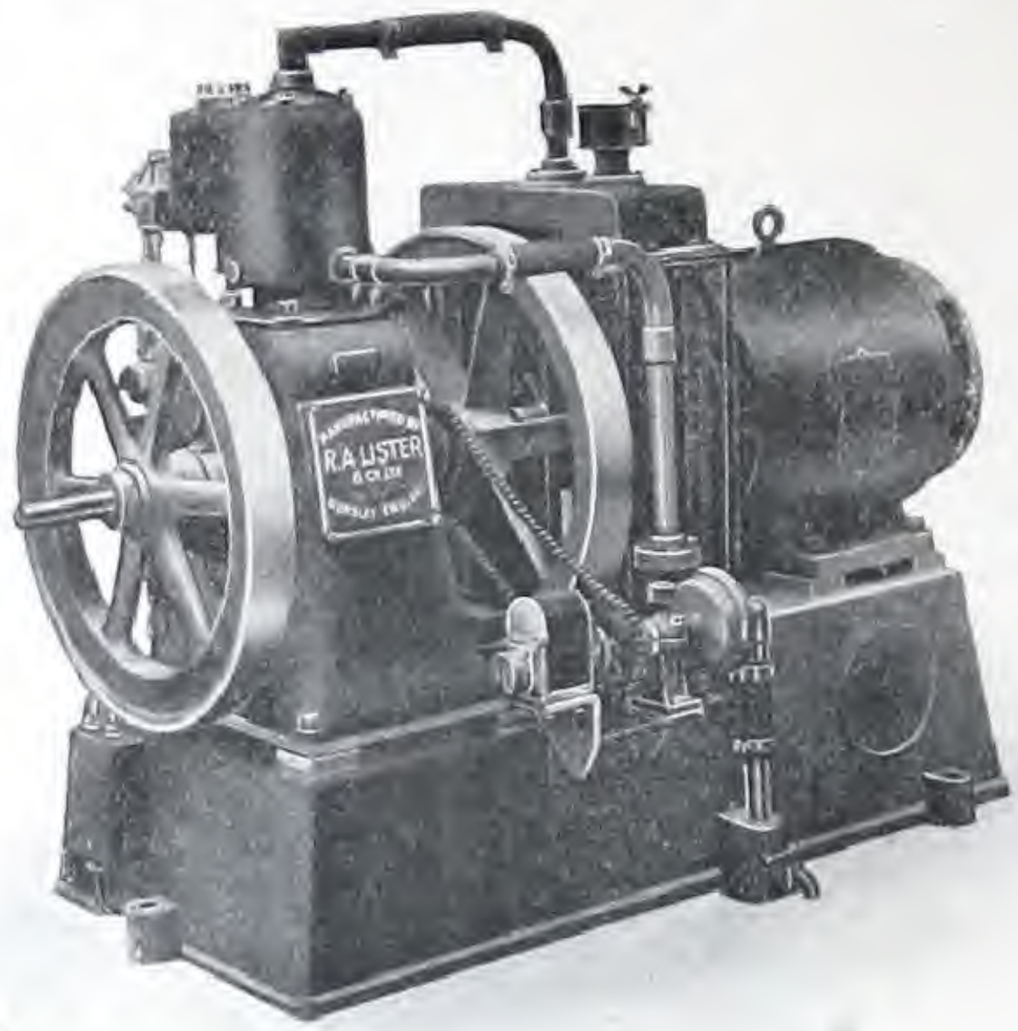


SINGLE CYLINDER BELT DRIVEN PLANTS

Size	K.W. Output	Amps. at 55 Volts	Output in Lamps of		Overall Dimensions			Weight without Accu. Lbs.
			13 Watt	20 Watt	Height	Length	Width	
A	.52	11	40	26	4′ 6½″	7′ 8″	2′ 6″	1173
B	.78	14	60	39	4′ 6½″	7′ 8″	2′ 6″	1239
C	1.04	20	80	52	5′ 6″	8′ 9″	2′ 11″	1623
C2	1.30	25	100	65	5′ 6″	8′ 9″	2′ 11″	1683
D	1.62	29	125	81	5′ 6″	10′ 3″	2′ 11″	1787
E	1.95	35	150	97	5′ 6″	10′ 3″	2′ 11″	2171

Lamps of any candle power can be used if the total output does not exceed the K.W. given.

Specification of the "Lister-Bruston" Automatic Electric Lighting and Power Plants



One-Cylinder Plant

The Direct Coupled Type Plants comprise:—

ENGINE — "Lister" Vertical Water-Cooled enclosed type of substantial construction, especially designed for running long periods without attention, fitted with Automatic Lubrication, High Tension Magneto Ignition, special Pump-fed Carburettor, thereby obviating the danger of flooding which often occurs if an ordinary Float-feed Carburettor, supplied by gravity from a tank, is used.

REGULATION—In addition to the Centrifugal mechanical governor, a patent Magnetic governor is fitted to the Engine, which regulates the speed according to the load, thereby giving a practically constant voltage at all loads.

DYNAMO—Patent Shunt Wound fitted with automatic Ring Lubrication, and coupled to Engine by means of a flexible coupling.

CONTROLLER—An automatic Rheostat or Controller is fitted to enable Engine to start up easily and smoothly, the compression of the Engine being released until sufficient speed has been attained to ensure easy starting.

ARRANGEMENT—The whole of the above is mounted on one substantial cast-iron base, which also carries, between the Engine and Dynamo, a Radiator for cooling the water, the Engine flywheel nearest the Radiator acting as a fan to cool the Radiator tubes. The Fuel Tank from whence the fuel is pumped to the Carburettor is also fitted in the base, making a self contained set, and occupying very small floor space.

SWITCHBOARD—Enamelled Slate Switchboard, containing Voltmeter, 2 Ammeters, patent Bruston Relay, Safety Circuit Breaker, Fuse, and the necessary terminals, plainly labelled for connecting to plant.

BATTERY—Suitable Battery of Accumulators for working plant automatically and lighting a few lamps without the Engine running. The plant is complete with Standard Water and Exhaust Connections, Silencers, Set of Spanners, and a few spare parts.

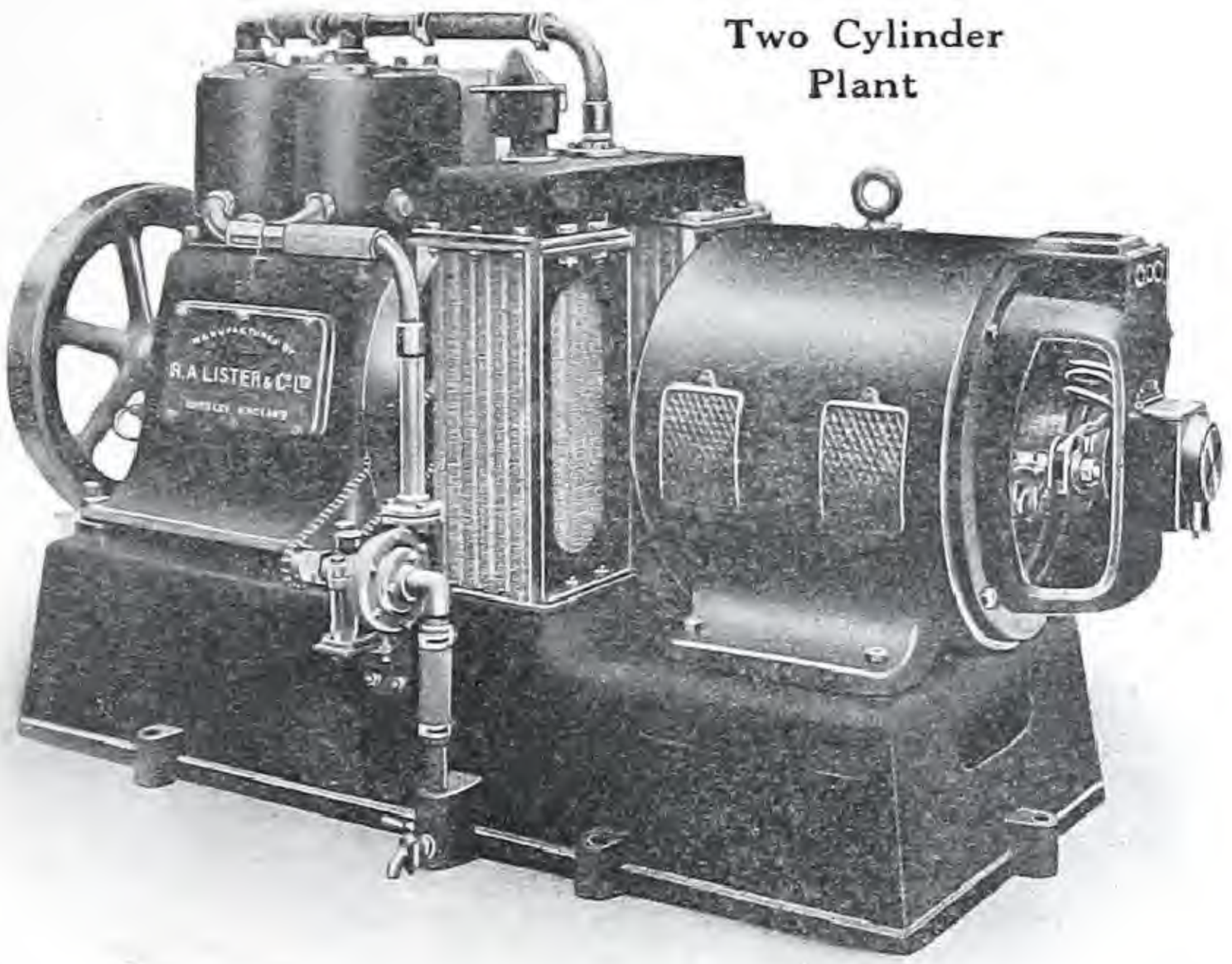
OPERATION OF PLANT—Lights can be switched on at any part of the installation. The first few lights are supplied from the Battery. When a certain number has been exceeded the plant starts up and generates current, the lamps being supplied direct from the Dynamo, which at the same time supplies current to the Battery. When the number of lights in use is sufficiently reduced the plant stops, the remaining lights being supplied by the Battery.

"LISTER-BRUSTON"

Automatic Electric Lighting Plants

FOR

Towns, Large Houses, Moving Picture Theatres, Hotels, Clubs, &c.



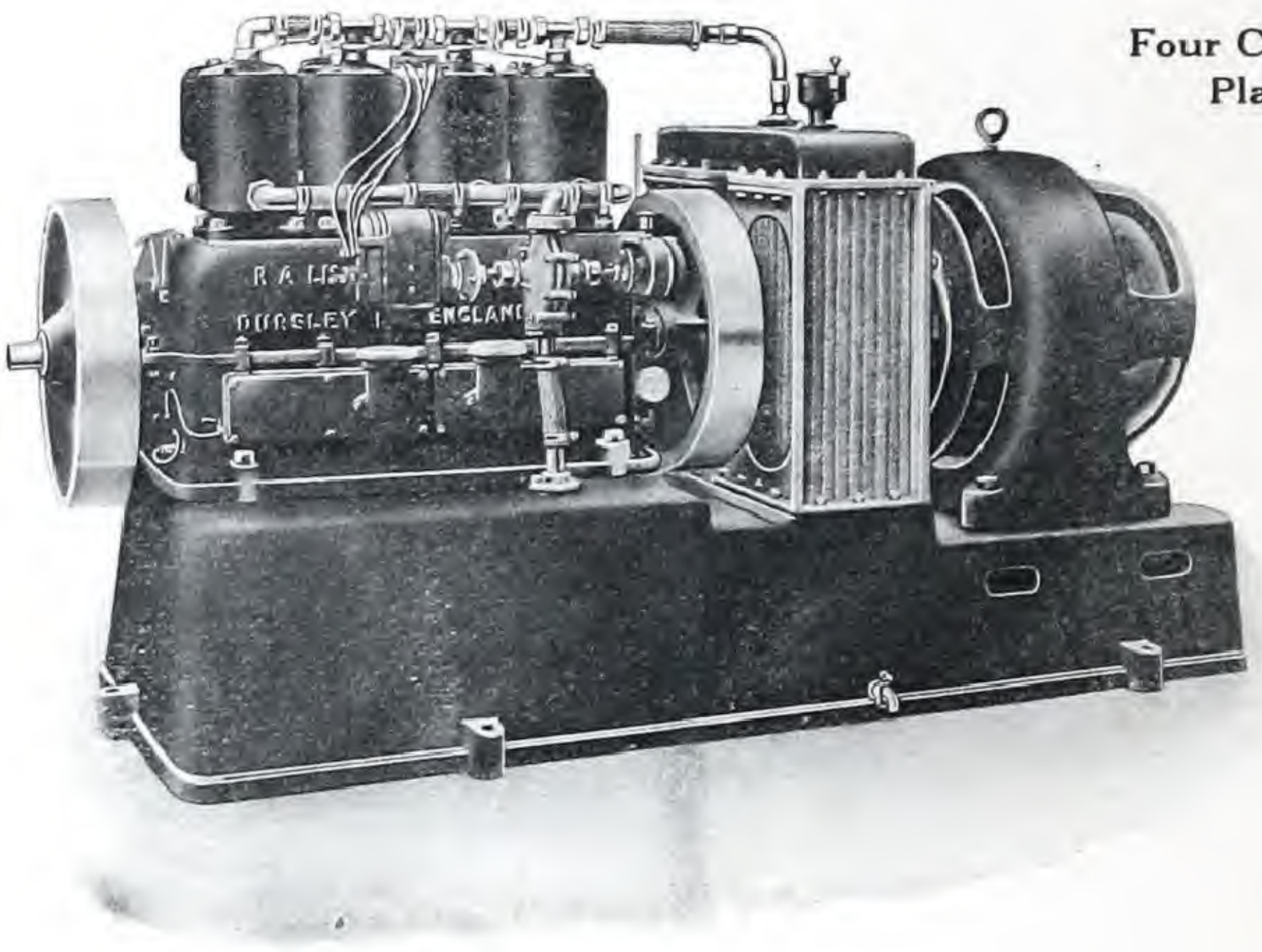
Two Cylinder Plant

DIRECT COUPLED PLANTS

Size	Number of Cylinders	K.W. Output	Amps. at 110 Volts	Output in 20 Watt Lamps	Speed R.P.M.	Overall Dimensions			Weight without Accu. Lbs.
						Height	Length	Width	
G	1	3	27.2	150	850	4′ 0″	5′ 7″	2′ 9″	1800
H	1	4	36.4	200	900	4′ 0″	5′ 8″	2′ 10″	2130
K	2	6	54.5	300	850	4′ 0″	6′ 10″	3′ 0″	3140
L	2	8	72.5	400	900	4′ 0″	7′ 0″	3′ 0″	3580

Town Lighting

There are many small towns wanting light for their streets and houses, and, from information obtained at council and general meetings, it has been found that the great difficulty with the ordinary plant is not so much the initial installation outlay as the constant burden on the rates of the maintenance and running cost. Another objection to the non-automatic electric lighting plant is that only a limited service can be given, say from dusk to midnight, and, if a dark storm should come during the day or sickness occur during the night, some other light must be used.



Four Cylinder Plant

DIRECT COUPLED PLANTS

Size	Number of Cylinders	K.W. Output	Amps. at 110 Volts	Output in 20 Watt Lamps	Speed R.P.M.	Overall Dimensions			Weight without Accu. Lbs.
						Height	Length	Width	
M	4	12	109	600	850	4′ 0″	8′ 0″	3′ 3″	4000
O	4	18	163.5	900	900	4′ 0″	8′ 3″	3′ 3″	4250

The specifications for the two-cylinder and four-cylinder plants are the same as those on page eight.

Buildings of Geo. S. Smith, Moose Jaw

Moose Jaw, Sept. 2, 1919.

R. A. Lister & Co.,
Winnipeg, Man.

Dear Sirs;—

Enclosed find card with picture of my buildings on it. These buildings are all lighted with one of your plants. It has been in good running order for five years, giving the best and only satisfaction that can be got for the farm.

You can use my name to a good strong testimonial.

Yours truly,

GEO. S. SMITH.

**Town Hall,
Emerson,
Man.**

Emerson, Man., Sept. 29, 1919.

R. A. Lister & Co.,
Winnipeg, Man.

Dear Sirs:—

Regards your Lighting Plant, I do not hesitate to recommend it to any one who thinks of installing a plant, for I believe it to be the most reliable plant on the market today. I have operated your plant here close on to two years and found it to give the best satisfaction of any plant in town.

Your automatic starter and stopper never fails to do its work. One great thing about the Lister plant is that anyone can operate it with a little care.

Yours truly,

CHAS. THAIN.

Barns of J. H. Pearce, Brora, Sask.

Church at Brora, Sask.

Brora, Sask., Oct. 3, 1919.

R. A. Lister & Co.,
Winnipeg, Man.

Dear Sirs:—

With this letter I am forwarding photos of our house and barn, also of the Church, which we light from our plant.

We have had the lights in for four and a half years now and they give perfect satisfaction.

Yours truly,

JAMES H. PEARCE.

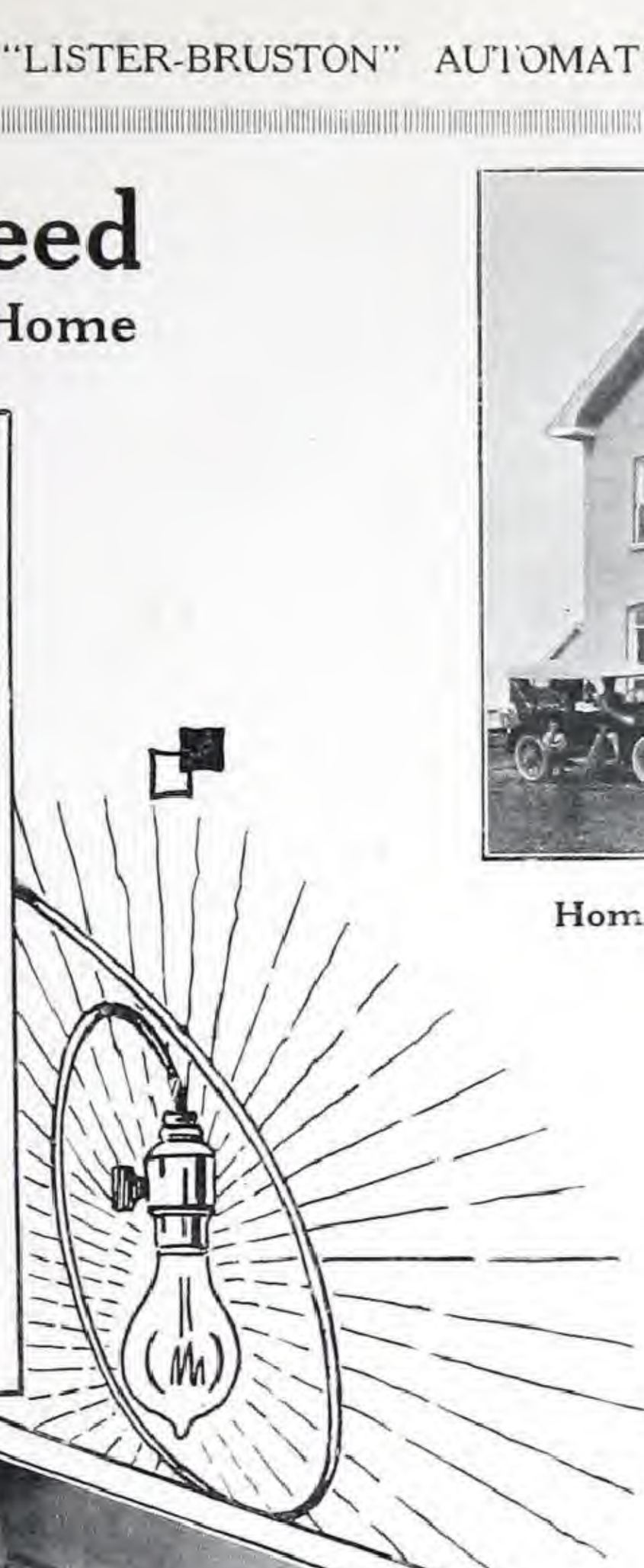
Views
of Store of
Collins & Diamond
Limited
Gladstone - - Man.

A Size fo

Town, School, St

Every Need

Church and Home



Home of Jas. H. Pearce, Brora, Sask.

Gladstone, Man., Sept. 27th, 1919.

Messrs. R. A. Lister & Co. (Canada), Ltd.,
Winnipeg, Man.

Gentlemen:—

Three years ago you installed for us a Lister Electric Lighting Plant, lighting our three spacious floors with one hundred and sixteen lights. We have not had the slightest trouble with any part of the system and therefore it has proved entirely satisfactory.

We would with pleasure recommend the Lister Plant to any one desiring a perfect lighting system.

Yours faithfully,

COLLINS & DIAMOND, LTD.
R. J. Diamond, Sec.

Continuous Service

Low Cost of Operation

Minimum of Attention

Forestry Branch, Indian Head

R. A. Lister & Co.,
Wall Street, Winnipeg, Man.

Forestry Branch, Nursery Station,
Indian Head, Sask.,
Sept. 27th, 1919.

Gentlemen:—

I am enclosing herewith photograph taken some time ago showing the buildings on the Nursery which are lighted by your plant.

This plant was installed in 1915 and has been in constant operation since that time. We have had very little trouble with the outfit and on the whole it has given us excellent satisfaction.

Your obedient servant,

NORMAN M. ROSS, Chief of the Tree-Planting Div.

"I consider your machine the highest grade one on the market."

WM. H. McINTYRE, PRESIDENT — FRED C. DIERN, VICE PRESIDENT — W. H. McINTYRE JR., SEC.-TREAS., GEN. MGR.

McIntyre Ranching Co., Limited
PAID UP CAPITAL $1,500,000.00

SEP 17 1919
ANSWERED

McINTYRE RANCH
MAGRATH, ALBERTA, CANADA. Sept. 15 19 19.

R.A. Lister & Co.,Limited.
Winnipeg,
Manitoba.

Your letter of Aug. 30th relative to the new Electric Lighting Plant Catalogue which you are about to get out reached me only a few days ago. It came to this place during my absence in the States and was held here at the ranch until my return. I am indeed sorry that I did not receive it much sooner.

I am endeavoring to procure a few pictures of my residence here which I wish to send to your company so that the may be reproduced in this catalogue,if time still permits my doing so.

We have been using one of your 57 volt, 200 light, Automatic Lighting plants on this ranch for a period of four years. It was installed in August 1915. This plant lights my own eleven roomed residence, a large barn and the ranch houses. It has given us very little trouble thus far and has behaved well in all sorts of weather and under all conditions. It has proven far more economical than coal oil and we would now feel entirely in the dark if we had to revert to the oil lamps which we used formerly. It requires very little attention and very rarely requires the need of an experienced man for repairs or adjustments. I am very green when it comes to taking care of any kind of machinery and yet I have very little dificulty with our lighting plant.

I consider yourmachine as the highest grade one on the market. It is made of the best material throughout and is built to give long and reliable service. After four years of continuous service our plant is, to all appearances,as good as it was when we got it. I can honestly and willingly recommend the Lister-Bruston Lighting plant to any one who lives in a place where he has need of such machines.

Yours very truly,

H H McIntyre Jr

RECEIVED
SEP 17 1919
ANSWERED

Home of Dr. C. H. Edmunds, Ceylon, Sask.

Ceylon, Sask., Oct. 21, 1919.

R. A. Lister & Co.,
Winnipeg, Man.

Gentlemen:—

I have had your 80-light 57-volt "Lister-Bruston" automatic plant in use now for nearly a year, and it has given entire satisfaction, lighting not only my house, but three lights to Catholic Church, my drug store, and also the hardware store.

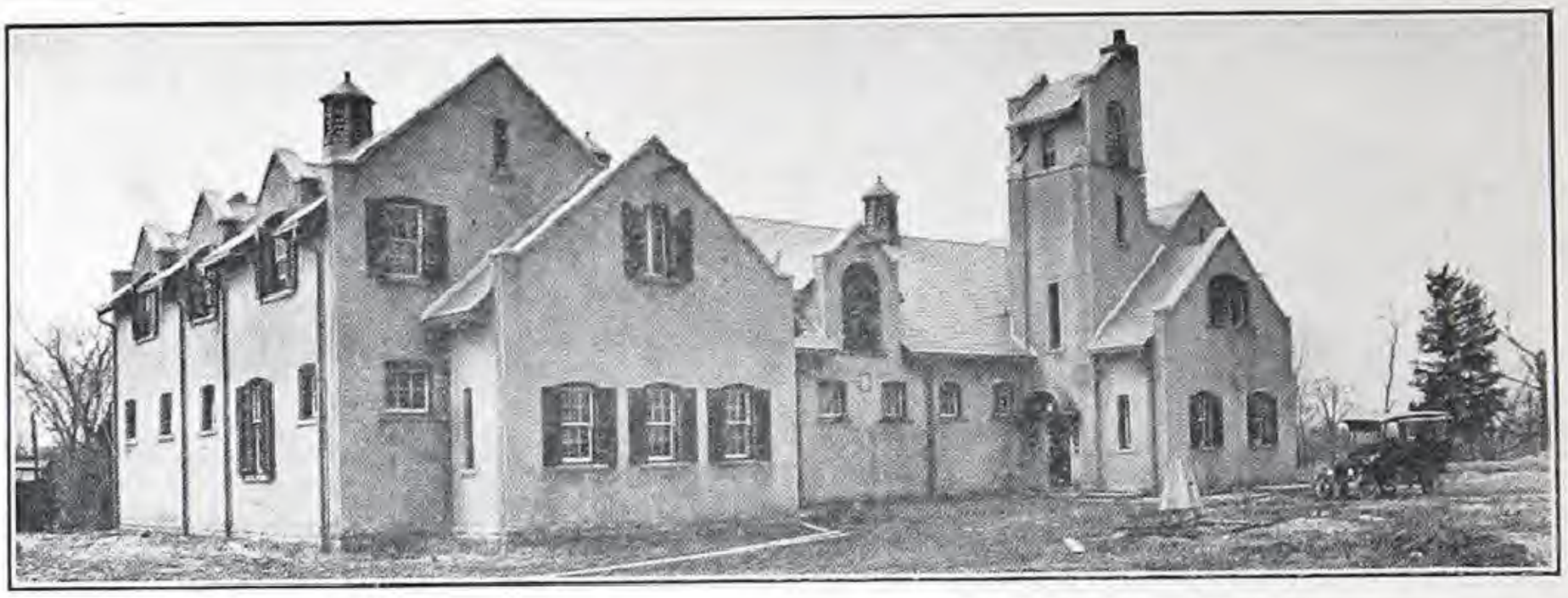
The drug store and hardware store are about 800 feet from the house, where the plant is installed.

I have had no trouble and am highly delighted with the system.

Yours truly,

Dr. CECIL H. EDMUNDS.

Six Branches of the Canadian Bank of Commerce are Lister Equipped



Connaught Laboratories, Toronto University

"The laboratories are self-contained so far as the lighting equipment is concerned. A Lister-Bruston automatic electric lighting plant is provided, which comprises (1) engine and generator, (2) switchboard, and (3) small storage battery. The generator is driven through a semi-flexible coupling by a two-cylinder, water-cooled, slow-speed gasoline engine. It is of the automatic self-starting and stopping type, the current being taken from the storage battery to turn the armature of the generator in starting. The storage battery of 80 amp. hr. capacity, supplies lights up to 10 per cent. of the maximum capacity. When more lights are required the generator is automatically started, and continues operation until all but a few lights are required. The switchboard is of slate and contains the requisite appliances for the operation of the outfit. The capacity is 4.8 kw. at 110 volts. In addition to supplying light for the main laboratory and cottage, the plant operated the motor-driven pump for the water supply. The ammonia compressor machine in connection with the refrigerating system is also driven, by belt, from the engine. The equipment was supplied and installed by R. A. Lister & Company, Limited, Toronto."

Extract from "Electrical News".

Stayner, Ont., June 12th, 1918.

Dear Sirs:—

I have pleasure in stating that the 125-light Lister-Bruston Lighting Plant which I installed in June. 1915, to light the Capstan Inn has given us the greatest of satisfaction. We have not even been one minute without light during this time.

Yours truly,

(Signed) W. H. McLEAN.

Capstan Inn, Wasaga Beach, Ont.

The "LISTER-BRUSTON" is not a lighting system designed specially for new homes and new buildings—but every home and every building. The comfort you anticipate in your new home, which you will build perhaps in a few years, is possible now in the home you have.

Estate Lighting

For estate lighting the "LISTER-BRUSTON" system is ideal. The lights in any of the houses connected to the system are always available just as if they were connected to a city supply. The little attention the plant does require—that is, filling the fuel tank and oil reservoir and keeping the engine clean—can be carried out by a gardener, or anyone about the place, at any convenient time. Water service for any of the houses can also be supplied by pumps driven by electric motors, and all the conveniences of city life enjoyed at just about the same cost.

Kirkfield Inn

500-Light Plant

Edmonton, Alta.,
Oct. 15, 1919.

R. A. Lister & Co.,
Winnipeg, Man.

Dear Sirs:—

After six years in using the R. A. Lister Automatic Lighting Plant I am well satisfied with it for a layout such as I have. And when properly looked after it is my opinion, as far as my knowledge and experience go, that it is the best outfit of its kind put on the market by any concern to date.

Yours truly,

D. W. WARNER.

Home of D. W. Warner, Edmonton, Alta.

St. Columbkill Church and Presbytery, Uptergrove, Ont.—80-Light Plant

Rev. J. Sheridan, P.P., writes:—

St. Columbkill Church, Uptergrove, Ont., Nov. 5, 1914

Gentlemen:—

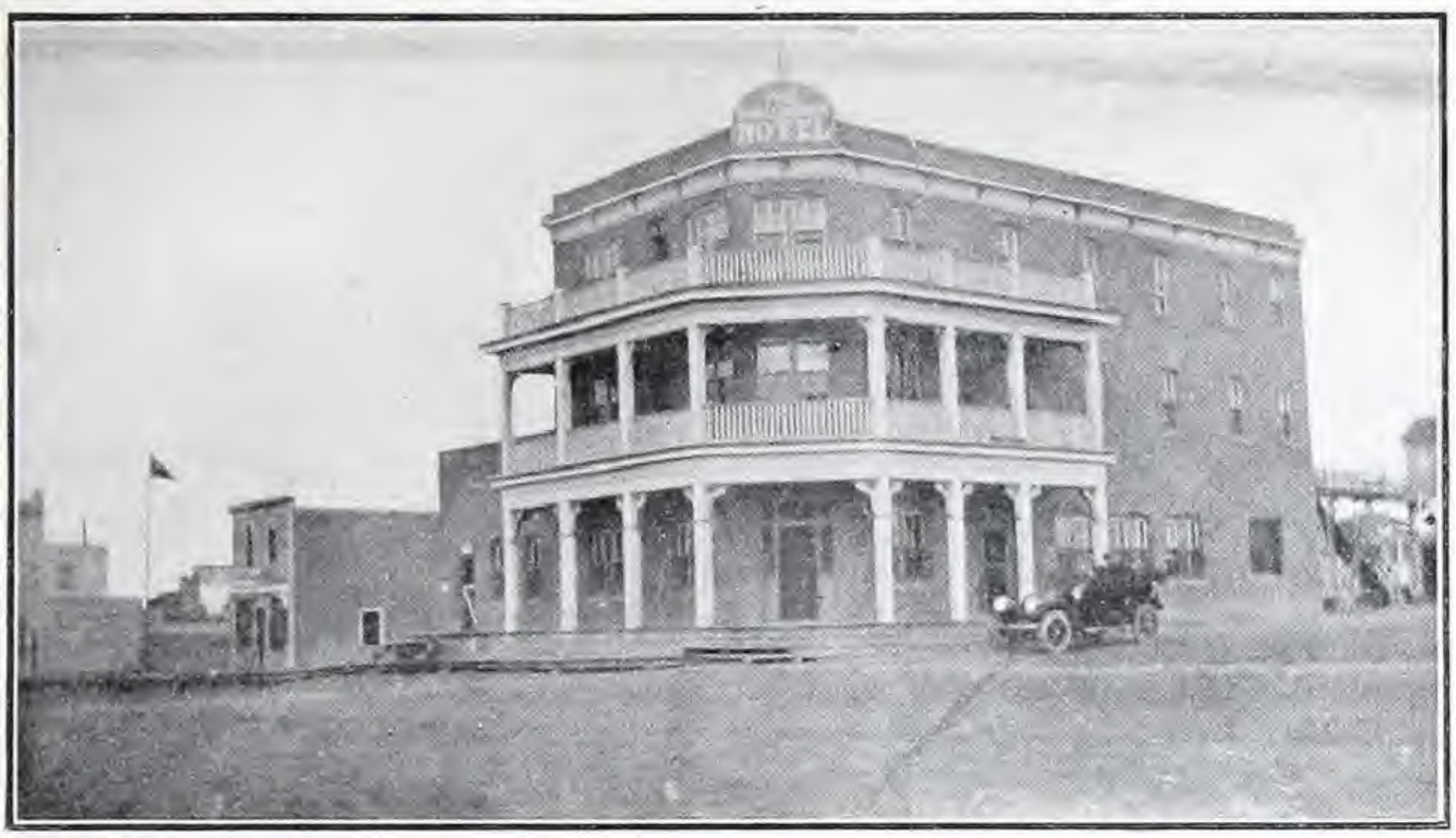
About three months ago you installed an 80-light Lister-Bruston Automatic Electric Lighting Plant on my premises here, and I now wish to say that the plant does all that you claimed for it, and more than I expected it would do. It lights my church, house, parish hall, stable and parish driving sheds with entire satisfaction. It is the best and most economical private system I know of. I shall have no hesitation in recommending it to my friends among the clergy.

Yours sincerely,

(Signed) J. Sheridan, P.P.

"Perfect Satisfaction"

Grandview Hotel, Grandview, Man.



Shellbrook Hotel, Shellbrook, Sask.

Coaticook, Que., Jan. 20, 1917.

R. A. Lister & Co., Limited,
Toronto, Ont.

Gentlemen:—

The Engine and Light outfit purchased from you about three years ago, and used constantly during this time, has given me excellent satisfaction. I use this to furnish the current to run the arc for a picture theatre, and you will readily understand the service is very exacting and the apparatus must be absolutely dependable, for while a breakdown might be tolerated in a residence or shop, with a theatre and three or four hundred people sitting to be entertained, any delay or interruption of the performance is an entirely different matter.

We have been to no expense for repairs since the engine was installed, and it has always been ready to do its work at all times, and the current produced is very steady and uniform.

I may require soon another outfit for another town, and I certainly would not risk buying any other make after having such gratifying results from the Lister equipment.

Yours truly,

C. A. KENNEDY,
Casino Theatre, Richmond, Que.

The Casino Theatre, Richmond, Que.

Home of August Hockstein,
Pincher Creek, Alta.

High Bluff, Man., Nov. 22, 1919.

Messrs. R. A. Lister & Co., Ltd.,
Winnipeg, Man.

Dear Sirs:—

We are pleased to advise you that we have been using one of your "Lister-Bruston" Automatic Lighting Plants for the past six years, and have had great satisfaction with it. In fact, we have had a continuous light with the exception of one night during this whole period, which is certainly an exceptionally good record for a Lighting Plant.

We take pleasure in recommending your Plant, to those who intend to install a lighting system, as we know they cannot get better satisfaction out of any other plant.

Yours truly,

A. FORSYTHE & CO.
Per A. Forsythe.

St. Jovite, Que., April 4, 1917.

R. A. Lister & Co., Limited, Toronto.

Dear Sirs:—

Relative to your enquiry with regard to the Lister-Bruston Automatic Plant which you installed at my farm last year, I regret not having replied before this, but I felt that it was more advisable to give the plant a thorough test in order that I might be in a better position to testify to the efficiency which you claim for it.

It affords me extreme pleasure to inform you that I am more than pleased with the results obtained up to the present. It has given us no trouble whatsoever, apart from keeping it supplied with gasoline and lubricating oil. The expense for running same, notwithstanding the high price of gasoline, has somewhat astonished me, for taking into consideration that I have a complete installation of lights throughout my entire outbuildings as well as the house, the cost through the winter has been at the rate of about 90c. per week, and now that the summer weather is approaching, with longer days, I do not anticipate that my light expenses will exceed $2.50 per month.

I might mention that it was only after serious and prolonged consideration that I decided to install your system, and my experiences up to the present have been so satisfactory that I have no hesitation in recommending your plant to those who are contemplating making light installation, and would certainly advise that your proposition should be thoroughly investigated before making purchase.

Yours truly,

THOS. JONES.

Monteith House, Lake Rosseau, November 6, 1915.

Dear Sirs:—

We installed a Lister-Bruston 6 K.W. electric lighting plant and started it to operate on the 1st of November, 1914. Last summer during our busy season we run off this plant approximately 400 lights, which were from 10 to 40 watts each, an average of about 25 watts. We also run our laundry machinery, consisting of a large washer, extractor and mangle, as well as a water pump which supplied the water for our entire hotel here. During that time and up to the present wuold say that the machine and equipment has given us every satisfaction. Any trouble that we have had has been of a very minor nature, and apparently due to the inexperience of the man in charge of it. Our man here was our ordinary porter around the hotel who was only learning to take care of our gas engine, and this machine being a little bigger and different to anything he had ever handled, has taken him a little while to get accustomed to. However, now that he has had a year's experience, he has no difficulty whatever. At the present time we start our machine about five o'clock in the evening, and there is no attention given it by anyone until it shuts itself down automatically around twelve o'clock midnight.

We would be pleased indeed to give you any further information at any time and can cheerfully recommend it to anyone requiring a modern, up-to-date and satisfactory outfit, as there are quite a number on the lakes here and they are proving themselves capable of the requirements in every instance.

Yours very truly,

(Signed) MONTEITH BROS.

WATER SUPPLY
AUTOMATIC OR HAND CONTROLLED

A pump for water supply can be driven by the "LISTER-BRUSTON" plant either direct from the engine by means of a belt, or by means of an electric motor.

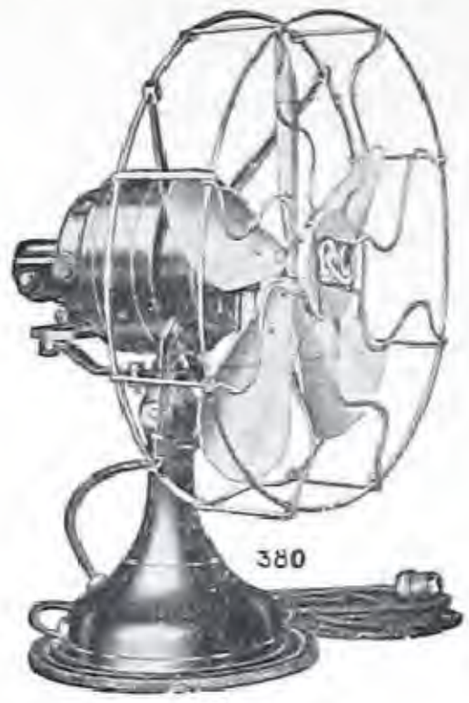
If it is convenient for the plant to be placed near the well or place from whence the water is to be pumped, it is advisable, from the point of economy, to drive the pump by a belt from the engine. With this system a fast and loose pulley is provided on the pump, and all that is necessary when water is required is to start the engine by means of a special switch on the switchboard, and, when the engine is running, to move the pump belt from the loose to the fast pulley. When sufficient water has been pumped the belt is moved back to the loose pulley, and the engine stopped by the special switch. The engine requires no attention whilst pumping.

Should an electric motor be used for the pump it can be started by a switch in the same way as the lights. This would, of course, have the same effect on the plant as switching on a number of lights, and the engine would start up automatically to supply the necessary current. If desired, the switch to start the pump motor can be operated automatically by either a pressure switch or float switch, according to the system of water storage used, so that, directly the pressure or level of the water falls, the pump would start up automatically and replenish the tank. The water can either be stored in an elevated tank placed above the highest level to be supplied, or in a pressure tank which can be placed in the cellar or engine room, the water from this being forced up the pipes by air pressure.

As pumping conditions and requirements vary indefinitely, the same equipment will not suit all cases, and it is therefore better to obtain a tender on a system to suit your individual requirements. This can be done by carefully giving the information asked for on the last page of this catalogue, or having our engineer call to take particulars.

We can supply pumping outfits to deliver several thousand gallons of water an hour for fire protection, such as that installed at Port Carling, or small outfits to deliver 100 gallons per hour for small cottages. Either capacity can be arranged to work automatically or otherwise.

Labor-Saving Electrical Appliances



Fan

ELECTRIC FAN

What could add more to your comfort in hot weather than the cool breeze from an electric fan. Surely if it is necessary in cool, airy offices, it could serve doubly well in a super-heated kitchen.

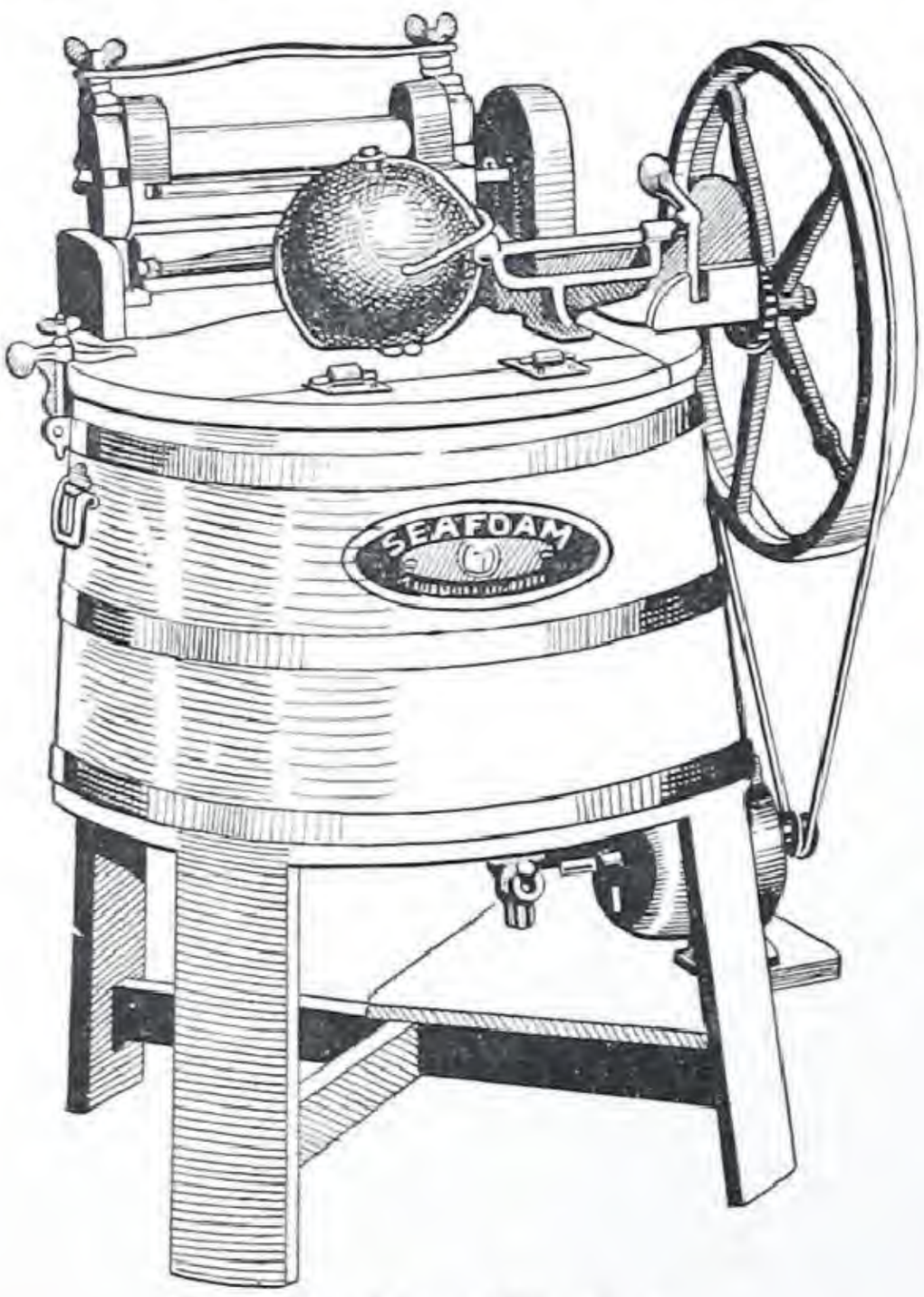
Toaster

TOASTER

Those who know the deliciousness and crispness of fresh, electrically-browned toast will affirm that it is unequalled. And the convenience of preparation is a real consideration.

SEAFOAM WASHER

A machine that does all the washing. The clothes are more thoroughly cleaned and carefully handled than by any of the old methods—and there is no work.



Seafoam Washer

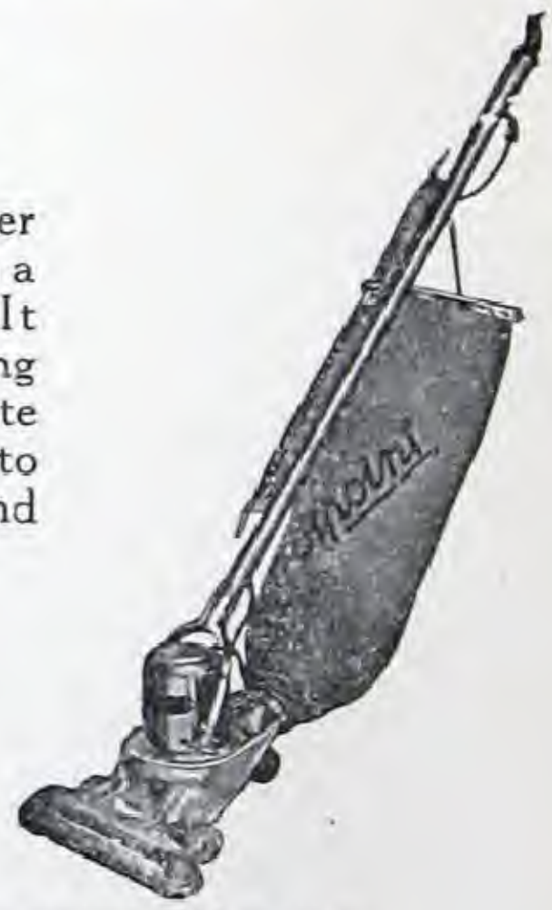
Benjamin Socket

A TWO-WAY SOCKET

Benjamin Sockets provide for light and power attachments to one wire.

VACUUM CLEANER

A vacuum cleaner is more help than a house servant. It cleans everything from rugs to plate rail and curtains to feather pillows and bedding.



Vacuum Cleaner

Solve the House Help Problem

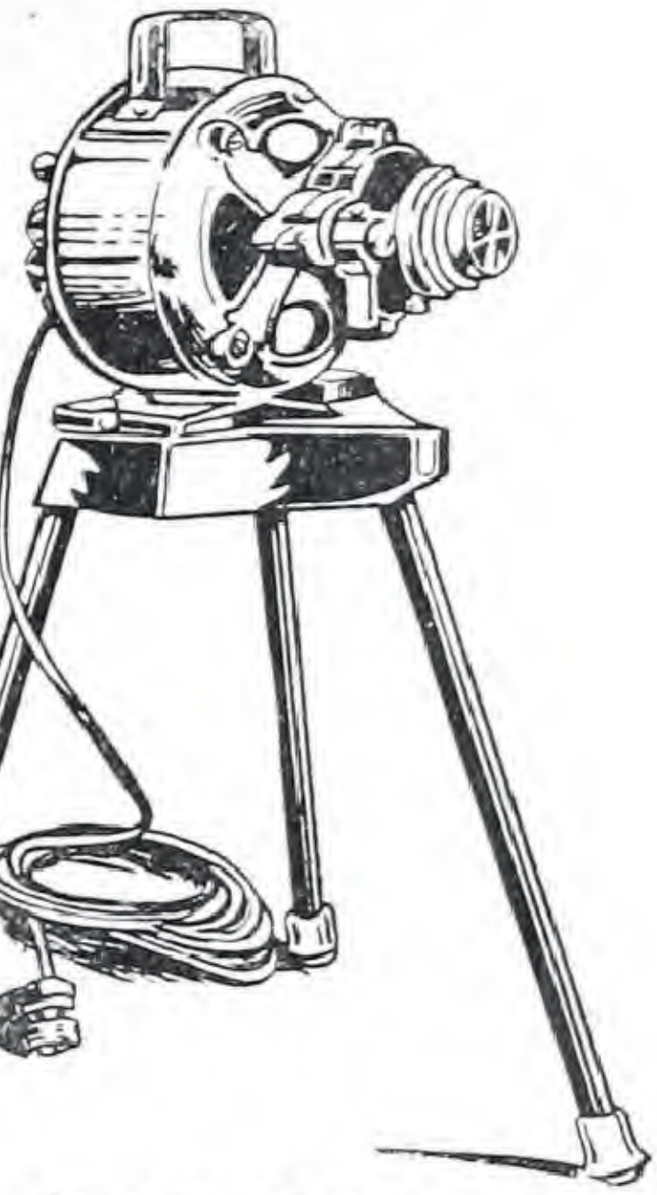
Small Stove

SMALL STOVE

An electric stove that will boil the kettle and provide sufficient heat for the preparation of a hurried meal or lunch.

PORTABLE MOTOR

This motor will serve to drive almost any small machine, and can be transferred wherever desired.



Portable Motor

ELECTRIC IRONS

Any woman who irons knows that an electric iron reduces the work 75 per cent.

Eden Washer

EDEN WASHER

The standard of quality in electric laundry equipment. We can give it our unqualified guarantee.

Any of these appliances will give entire satisfaction with the Lister-Bruston Plants.

Detach this Page and Mail

Fill in the following information and mail this page to our nearest branch, as listed on page one. We will go into your proposition thoroughly and if necessary will send, at our expense, a qualified engineer to take particulars of your requirements and give you any information you may require.

R. A. LISTER & CO. (CANADA) LIMITED

.....

(Name of branch)

1. Total number and approximate size of lamps required to be lighted.....

2. Largest number of lights to be used at one time.....

3. Average number to be used.....

4. Do you require to run any appliances from the plant, such as irons, toasters, motors, etc.?.....

5. Do you wish to use the engine to drive any machinery, such as a pump, by means of a belt?.....

6. If pumping is required please give the following:—

   (1) Vertical height from water to engine room floor.....

   (2) Distance from water to plant.....

   (3) How high must the water be forced?.....

   (4) Have you a tank? If so, what sort, pressure or open?.....

   (5) Approximate amount of water required, or particulars of conditions.....

   .....

7. Make a rough sketch showing position of buildings to be lighted and number of lamps in each, also approximate distance between each and proposed position of plant.